









Crop Weather Calendar of Rabi Cucumber: Khulna Region (Districts: Khulna, Norail, BagerHat&Sathkhira) Bangladesh

Khulna Region	Rabi Cucumber				Life span 100-120 day												
Months	October				November					December				January			
Std.Week/Normal	40	41	42	43	44	45	46	47	48	49	50	51	52	1	2	3	4
Rainfall (mm)	41.0	38.5	31.5	26.5	9.5	13.0	8.0	3.0	3.5	1.0	4.0	0.0	1.0	3.0	1.5	0.0	3.5
Max. Temp. (°C)	32.7	32.7	32.4	31.7	31.0	31.0	30.1	29.5	28.5	27.7	27.0	26.0	25.6	25.0	25.0	25.8	26.2
Min. Temp. (°C)	25.5	25.0	24.2	22.5	21.5	20.6	19.3	18.0	16.3	15.3	14.5	13.4	12.6	12.2	12.2	12.7	12.4
Mean Temp. (°C)	29.1	28.9	28.3	27.1	26.3	25.8	24.7	23.7	22.4	21.5	20.7	19.7	19.1	18.6	18.6	19.2	19.3
RHmax (%)	96.8	96.5	96.2	96.3	96.0	95.6	95.9	95.8	95.5	94.7	95.7	95.8	95.7	95.4	95.2	94.9	94.9
RHMin (%)	69.2	65.6	63.3	59.2	57.4	53.9	51.3	49.0	46.7	47.3	48.8	49.2	47.8	48.7	46.9	46.8	44.3
RHmean (%)	83.0	81.1	79.8	77.8	76.7	74.7	73.6	72.4	71.1	71.0	72.2	72.5	71.7	72.0	71.0	70.8	69.6
SShr (hrs)	41.5	47.5	49.5	52.5	48.5	53.5	52.5	53.5	53.0	52.0	49.5	48.0	48.5	47.0	46.5	49.5	53.0
WD (deg)	189	203	193	184	173	176	189	197	197	194	189	181	177	175	182	198	198
WS(Km/hr)	4.3	3.7	4.1	3.8	3.4	4.1	3.8	4.3	4.3	4.0	4.5	4.1	4.6	4.6	4.7	4.3	4.6
																	
Stage	Spouting & Seedling				vegetative growth				Flowering & fruiting				Harvesting				
Favorable environment																	
Temperature	25 °C-30 °C , Below 15 °C and above 35 °C growth will be retard ; high temperature, long day length and high light intensity hampered female flower production;																
Relative Humidity	60% to 70% during the day and higher at night																
Soil Temperature	15.5° C - 32 °C																
Sunshine Hour	6 to 8 hr of sunlight to thrive																
Favorable conditions for insects and diseases																	
Fruit fly	Abundance increases when the temperatures fall below 32°C (10 to 30°C), RH: 60 to 70%																
Pumpkin beetle	Temperature: 25-38°C,RH: 65-80%																
Epilachna beetle	Temperature:22-35 ° C,RH: 50-70%																
Bacterial angular leaf spot	23°C to 28°C, RH:85% to 95% or above, Favored by rainy weather and humid condition																
Cucumber mosaic virus	26 °Cto 32 °C, disease development favored by certain rising of temperature, rainfall and relative humidity																
Weather warning																	
Rainfall (mm)	20-30 mm (Creates water logging condition)																
Cloudy weather	Cloudy condition																
Drought	Drought due to excessive dry weather																
Duration of staying wet	2 to 3 days if the water stagnant condition prevail																
Hailstorm	Late season rainfall with hailstorms																
Wind spread (Km/hr.)	40 Km/hr or more																
Temperature (°C)	Below 15 °C and above 35 °C growth will be retard; high temperature, long day length and high light intensity hampered female flower production																

Crop Weather Calendar of Kharif Cucumber: Khulna Region (Districts: Khulna, Norail, BagerHat&Sathkhira) Bangladesh

Khulna Region	Kharif Cucumber				Life span 100-120 day													
Months	April				May						June				July			
Std.Week/Normal	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	
Rainfall (mm)	12.5	12.5	17.5	25.0	31.5	32.5	37.0	47.5	50.0	52.0	77.5	79.0	93.5	92.0	74.5	94.0	76.5	
Max. Temp. (°C)	35.0	35.2	35.2	35.2	35.1	35.2	35.3	35.1	35.0	34.7	33.4	32.7	32.3	32.0	32.1	31.8	32.1	
Min. Temp. (°C)	24.0	24.3	24.9	25.0	25.0	25.3	25.8	26.0	26.4	26.8	26.2	26.3	26.1	26.0	26.2	26.1	26.1	
Mean Temp. (°C)	29.5	29.8	30.1	30.1	30.0	30.2	30.6	30.5	30.7	30.7	29.8	29.3	29.2	29.0	29.1	28.9	29.1	
RHmax (%)	94.3	93.7	93.3	93.2	93.0	93.1	93.4	93.7	93.9	94.2	95.1	95.7	95.8	96.0	95.5	95.9	95.8	
RHMin (%)	48.8	49.2	52.4	53.7	55.3	57.4	57.9	60.7	62.0	64.9	70.2	73.3	75.1	75.5	74.6	77.0	75.5	
RHmean (%)	71.5	71.4	72.8	73.4	74.1	75.2	75.7	77.2	77.9	79.5	82.6	84.5	85.4	85.7	85.1	86.4	85.6	
SShr (hrs)	59.0	60.0	61.5	58.0	59.5	56.5	55.0	47.0	50.0	41.5	29.5	23.5	25.0	21.5	27.0	24.5	29.0	
WD (deg)	202	196	192	186	186	183	177	180	184	178	170	175	179	186	175	175	179	
WS(Km/hr)	7.1	7.6	7.6	8.0	7.5	7.5	7.1	7.2	7.3	6.7	6.8	6.8	6.8	5.6	5.6	6.6	6.2	
ধাপ সমূহ																		
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